

8-001 COASTAL PLAIN OF ORANGE COUNTY

Basin Boundaries

Summary

The Coastal Plain of Orange County groundwater basin underlies a coastal alluvial plain in northwestern Orange County. The basin is bound on the northwest and the north by the Los Angeles-Orange County line. The basin is bound on the northeast by consolidated rocks of the Puente Hills and Chino Hills and on the east by consolidated rocks of the Santa Ana Mountains. Consolidated rocks of the Laguna Hills and San Joaquin Hills bound the south side of the basin, and the Pacific Ocean bounds the southwest side. The boundary is defined by seven (7) segments detailed in the descriptions below.

Segment Descriptions

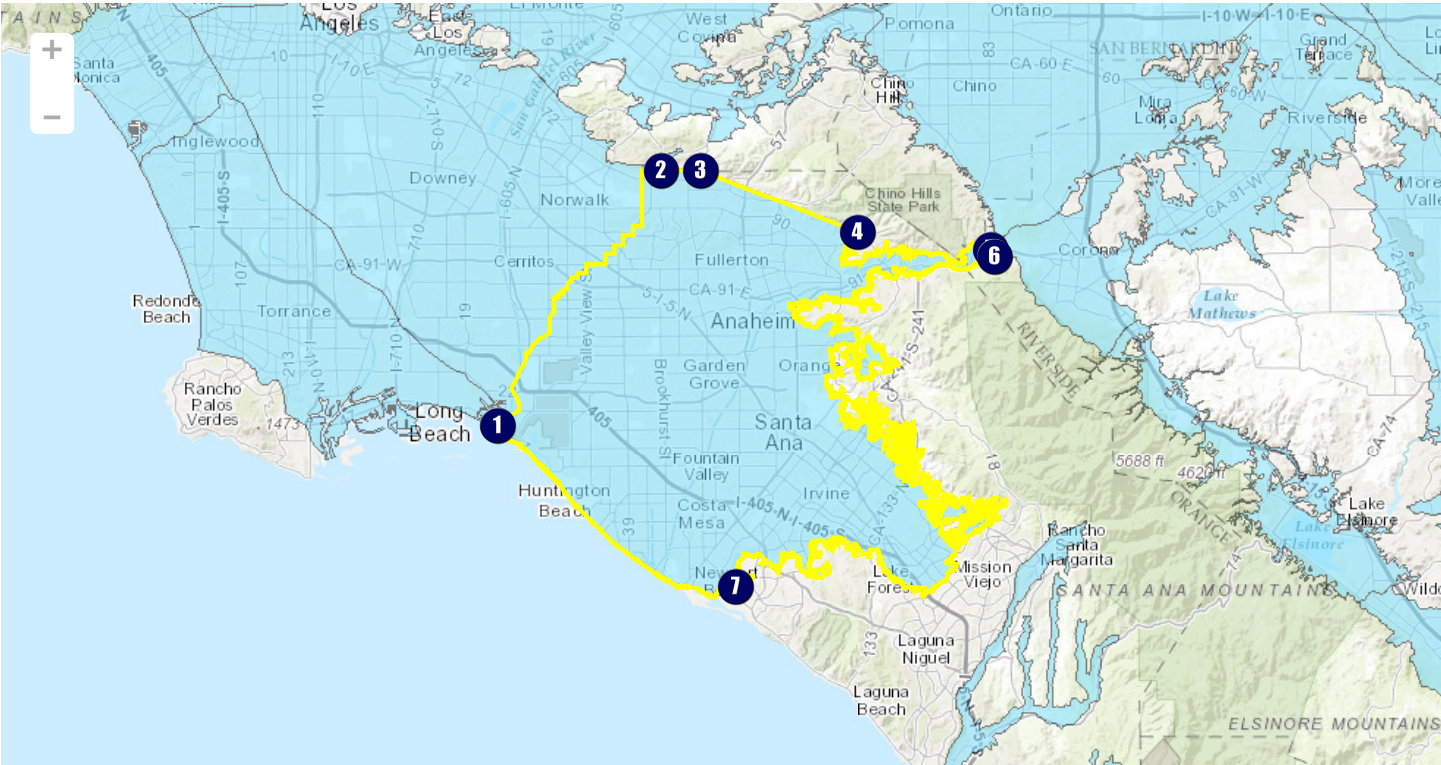
Segment Label	Segment Type	Description	Ref
1-2	I County	Begins from point (1) and follows the Los Angeles-Orange County boundary to point (2).	{a}
2-3	E County	Continues from point (2) and follows the Los Angeles-Orange County boundary to point (3).	{a}
3-4	E Fault	Continues from point (3) and generally follows the Whittier fault zone, a groundwater barrier except where breached by recent alluvium, to point (4).	{b}
4-5	E Alluvial	Continues from point (4) and generally follows the contact of Quaternary alluvium with the Tertiary Sespe Formation, Topanga Sandstone, and the Monterey Formation to point (5).	{c}
5-6	I Management Area	Continues from point (5) and follows the boundary of the City of Corona AB3030 Groundwater Management Plan to point (6).	{b}
6-7	E Alluvial	Continues from point (6) and generally follows the contact of Quaternary alluvium with consolidated rocks of the Santa Ana Mountains and the San Joaquin Hills to point (7).	{c}
7-1	E Ocean	Continues from point (7) and generally follows the Pacific Ocean coastline and ends at point (1).	{a}

Significant Coordinates

Point	Latitude	Longitude
1	33.747694333	-118.111943972
2	33.946103541	-117.959219411
3	33.946077283	-117.921455946
4	33.898300988	-117.775023025
5	33.884830971	-117.649980248
6	33.878021559	-117.645008112
7	33.622207332	-117.889188636

Map

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<http://sgma.water.ca.gov/bbat/?appid=160718113212&subbasinid=8-01>

References

Ref	Citation	Pub Date	Global ID
{a}	California Department of Forestry and Fire Protection (Cal Fire), California Counties and Paired Dataset (cnty15_1). URL: http://frap.fire.ca.gov/data/frapgisdata-subset	2/14/15	2
{b}	Unknown/other/new	varies	46
{c}	BBMRS	varies	45

Footnotes
I: Internal
E: External